

Storm Data and Unusual Weather Phenomena - May 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ILLINOIS, South				
ALEXANDER COUNTY --- 2.5 ESE CAIRO [36.99, -89.14], 2.3 ESE CAIRO [36.98, -89.15], 1.2 ESE CAIRO [37.00, -89.16], 1.5 E CAIRO [37.00, -89.15]				
	05/01/13 00:00 CST		20K	Flood (due to Heavy Rain)
	05/21/13 04:00 CST		0	Source: River/Stream Gage
Continuing from April into May, moderate flooding of the Ohio River occurred. At the Cairo river gage, the river crested at 49.96 feet on the evening of the 10th. This is about 10 feet over the flood stage of 40 feet. There was considerable flooding of low-lying fields and woodlands near the river. A state park and some river access roads were under water.				
ALEXANDER COUNTY --- THEBES [37.22, -89.47], 0.6 W THEBES JCT [37.20, -89.46], 0.3 W THEBES JCT [37.20, -89.46], 0.8 SE THEBES [37.21, -89.46]				
	05/01/13 00:00 CST		10K	Flood (due to Heavy Rain)
	05/19/13 20:30 CST		0	Source: River/Stream Gage
Continuing from April into May, moderate flooding occurred on the Mississippi River. At the Thebes river gage, the river crested at 39.6 feet early on the morning of the 6th. This was almost 7 feet above flood stage. There was considerable flooding of low-lying fields and woodlands near the river, including riverside parks and access roads.				
MASSAC COUNTY --- BROOKPORT [37.12, -88.63], 2.0 ESE METROPOLIS [37.14, -88.70], 2.2 E METROPOLIS [37.15, -88.69], 0.7 NNW BROOKPORT [37.13, -88.64]				
	05/01/13 00:00 CST		2K	Flood (due to Heavy Rain)
	05/18/13 09:00 CST		0	Source: River/Stream Gage
Continuing from April into May, minor flooding occurred on the Ohio River. There was minor flooding of low-lying fields and woodlands near the river, including parts of Fort Massac State Park in Metropolis. River access roads and boat ramps were flooded.				
PULASKI COUNTY --- OLMSTED [37.18, -89.08], 0.7 SE OLMSTED [37.17, -89.07], 2.9 ESE LEVINGS [37.21, -89.02], 1.9 ESE LEVINGS [37.21, -89.04]				
	05/01/13 00:00 CST		20K	Flood (due to Heavy Rain)
	05/19/13 19:00 CST		0	Source: River/Stream Gage
Continuing from April into May, moderate flooding occurred on the Ohio River. At the Grand Chain river gage, the river crested at 49.8 feet on the morning of the 9th. This was about 8 feet over the flood stage of 42 feet. There was considerable flooding of low-lying fields and woodlands near the river. Park land and some river access roads were under water.				
The Mississippi and Ohio Rivers remained above flood stage from April well into May. Heavy rainfall in the Missouri and upper Mississippi Valleys sent the Mississippi River well above flood stage. The Ohio River remained above flood stage due to frequent moderate rainfall events.				
JACKSON COUNTY --- 2.1 WSW MURPHYSBORO [37.76, -89.37], 2.5 WNW MT CARBON [37.76, -89.37], 1.1 W MT CARBON [37.75, -89.35], 1.1 WNW MT CARBON [37.75, -89.35]				
	05/01/13 00:00 CST		0	Flood (due to Heavy Rain)
	05/13/13 22:00 CST		0	Source: River/Stream Gage
Minor flooding continued on the Big Muddy River from April. Low-lying fields and woodlands were under water, including some riverside park land and river access roads.				
WABASH COUNTY --- 1.5 E MT CARMEL [38.42, -87.74], 2.4 NE MT CARMEL [38.44, -87.74], 1.9 NE MT CARMEL [38.44, -87.75], 1.1 E MT CARMEL [38.42, -87.75]				
	05/01/13 00:00 CST		0	Flood (due to Heavy Rain)
	05/11/13 09:00 CST		0	Source: River/Stream Gage
The flooded Wabash River continued to recede after cresting in late April. Moderate flooding occurred along the Wabash River around Mt. Carmel. The crest of 30.24 feet on April 28 was the 13th highest crest in records dating back to the late 1800's.				
WHITE COUNTY --- 1.3 SSE CARMi MUNI ARPT [38.08, -88.14], 2.0 SE CARMi [38.06, -88.14], 1.5 SE CARMi [38.06, -88.15], 0.9 S CARMi MUNI ARPT [38.09, -88.15]				
	05/01/13 00:00 CST		0	Flood (due to Heavy Rain)
	05/11/13 17:00 CST		0	Source: River/Stream Gage
Minor flooding continued from April into May on the Little Wabash River. Low-lying fields and woodlands were under water, along with some parks and river access roads.				

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WHITE COUNTY --- MAUNIE [38.03, -88.05], 2.1 E MAUNIE [38.03, -88.01], 0.4 SSW RISING SUN [38.00, -88.03], 1.6 W RISING SUN [38.00, -88.06]				
	05/01/13 00:00 CST		0	Flood (due to Heavy Rain)
	05/13/13 10:00 CST		0	Source: River/Stream Gage
The flooded Wabash River continued to recede after cresting in late April. Some low-lying fields and woodlands remained under water.				
Flooding of the Wabash, Little Wabash, and Big Muddy Rivers continued from April well into May. The flooding on the Big Muddy River was due to a combination of heavy rain and backwater from the Mississippi River. Heavy rainfall during the first week of May caused the Little Wabash to remain above flood stage. The Wabash River remained above flood stage due to a continuation of the very wet and cool spring pattern.				
JEFFERSON COUNTY --- MT VERNON [38.32, -88.90]				
	05/20/13 23:25 CST		0	Hail (1.00 in)
	05/20/13 23:25 CST		0	Source: Trained Spotter
ALEXANDER COUNTY --- CAIRO [37.00, -89.18]				
	05/21/13 01:50 CST		30K	Thunderstorm Wind (EG 61 kt)
	05/21/13 01:50 CST		0	Source: Emergency Manager
Half of the roof of the Alexander County courthouse was blown off. There was no other damage nearby.				
A squall line with embedded small bow echoes moved eastward from southeast Missouri across southern Illinois. A damaging wind event and a large hail event occurred in association with the bow echoes. The storms occurred in a region of strong southerly low-level wind flow ahead of a cold front crossing Missouri.				
PERRY COUNTY --- 3.0 SW DU QUOIN [37.99, -89.27]				
	05/30/13 13:38 CST		0	Funnel Cloud
	05/30/13 13:38 CST		0	Source: Trained Spotter
PERRY COUNTY --- 5.0 E SUNFIELD [38.07, -89.14]				
	05/30/13 14:11 CST		0	Funnel Cloud
	05/30/13 14:11 CST		0	Source: Trained Spotter
A rotating funnel cloud was seen by a trained spotter extending at least halfway to the ground.				
JEFFERSON COUNTY --- 3.5 SW SCHELLER [38.14, -89.15]				
	05/30/13 14:26 CST		0	Funnel Cloud
	05/30/13 14:26 CST		0	Source: Emergency Manager
MASSAC COUNTY --- METROPOLIS [37.15, -88.73]				
	05/30/13 18:50 CST		0	Heavy Rain
	05/30/13 21:00 CST		0	Source: Trained Spotter
Street flooding was reported.				
MASSAC COUNTY --- METROPOLIS [37.15, -88.73], 1.3 NE METROPOLIS MUNI ARPT [37.19, -88.73]				
	05/30/13 18:58 CST		50K	Thunderstorm Wind (EG 52 kt)
	05/30/13 19:01 CST		0	Source: Trained Spotter
A severe storm crossed the Ohio River from Paducah, Kentucky. Numerous large tree limbs were blown down in Metropolis, from near Fort Massac State Park to a few miles north of Metropolis. The top of a pine tree fell onto a car. A few trees were uprooted. The damage path appeared to be several miles wide. One residence had shingles blown off the house.				
PERRY COUNTY --- DU QUOIN [38.02, -89.23]				
	05/30/13 20:00 CST		0	Heavy Rain
	05/30/13 20:30 CST		0	Source: Emergency Manager
Flooding of streets and roads was reported in the city.				
Clusters of thunderstorms moved north across southern Illinois. The storms occurred in a southwesterly flow of moist and moderately unstable air. The storms were enhanced by a 500 mb shortwave extending from the Ozarks to the Lower Mississippi Valley. A few of the storms produced strong winds and funnel clouds.				

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INDIANA, Southwest

GIBSON COUNTY --- 0.9 WSW GIRO [38.49, -87.48], 1.3 WSW GIRO [38.50, -87.49], 1.2 N HAZLETON [38.50, -87.53], 1.1 NNW HAZLETON [38.49, -87.54]

05/01/13 00:00 CST	0	Flood (due to Heavy Rain)
05/04/13 10:00 CST	0	Source: River/Stream Gage

The flooded White River continued to recede after moderate flooding occurred in late April. See the April report for details of that flooding.

GIBSON COUNTY --- EAST MT CARMEL [38.40, -87.73], 1.6 ENE SKELTON [38.36, -87.75], 1.6 NNE SKELTON [38.37, -87.77], 1.0 NW EAST MT CARMEL [38.41, -87.74]

05/01/13 00:00 CST	0	Flood (due to Heavy Rain)
05/11/13 08:00 CST	0	Source: River/Stream Gage

The flooded Wabash River continued to recede after moderate flooding occurred in late April. The crest of 30.24 feet on April 28 was the 13th highest crest in records dating back to the late 1800's. Extensive flooding took place in East Mt. Carmel, Indiana and western Gibson County. See the April report for details of that flooding.

PIKE COUNTY --- PETERSBURG [38.50, -87.28], 1.3 NNE BOWMAN [38.52, -87.34], 2.1 NNE BOWMAN [38.53, -87.33], 0.7 NNW PETERSBURG [38.51, -87.28]

05/01/13 00:00 EST	0	Flood (due to Heavy Rain)
05/03/13 02:00 EST	0	Source: River/Stream Gage

The flooded White River continued to recede after moderate flooding occurred in late April. See the April report for details of that flooding.

POSEY COUNTY --- NEW HARMONY [38.13, -87.93], 0.6 WNW NEW HARMONY [38.13, -87.94], 1.1 NNE NEW HARMONY [38.15, -87.92], 1.4 NE NEW HARMONY [38.14, -87.91]

05/01/13 00:00 CST	0	Flood (due to Heavy Rain)
05/13/13 10:00 CST	0	Source: River/Stream Gage

The flooded Wabash River continued to recede after cresting in late April. Moderate flooding occurred along the Wabash River. Low-lying fields and woodlands were underwater. Parts of northern New Harmony began to flood, and sandbagging became necessary in town. Harmonie State Park was closed.

The White and Wabash Rivers fell below flood stage early in May as the wet spring pattern abated somewhat.

KENTUCKY, Southwest

MUHLENBERG COUNTY --- PARADISE [37.27, -86.98], 0.4 WSW PARADISE [37.27, -86.99], 1.0 SSE PARADISE [37.26, -86.97], 0.9 SSE PARADISE [37.26, -86.97]

05/01/13 00:00 CST	0	Flood (due to Heavy Rain)
05/14/13 20:00 CST	0	Source: River/Stream Gage

Minor flooding continued from late April into May along the Green River at Paradise. Some low-lying fields and woodlands near the river were inundated.

MCCRACKEN COUNTY --- 1.4 NNE CECIL [37.12, -88.66], 1.3 E ROWLANDTOWN [37.10, -88.61], 1.1 ESE ROWLANDTOWN [37.09, -88.61], 1.0 NNE CECIL [37.11, -88.66]

05/03/13 15:00 CST	0	Flood (due to Heavy Rain)
05/15/13 17:00 CST	0	Source: River/Stream Gage

Minor flooding occurred along the Ohio River. Low-lying fields and woodlands near the river were inundated. Portions of a riverside park in downtown Paducah were flooded.

Heavy rainfall during the first week of May caused a couple of rivers to rise above flood stage.

BALLARD COUNTY --- LOVELACEVILLE [36.97, -88.82]

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	05/21/13 02:10 CST		10K	Thunderstorm Wind (EG 52 kt)
	05/21/13 02:10 CST		0	Source: Trained Spotter

Two large trees were blown down near U.S. Highway 62. Utility companies cleared the debris, which affected power lines.

MCCRACKEN COUNTY --- 0.4 ENE CAMELIA [37.02, -88.77]

05/21/13 02:19 CST	8K	Thunderstorm Wind (EG 52 kt)
05/21/13 02:19 CST	0	Source: Emergency Manager

Five to six trees were snapped and uprooted near the intersection of U.S. Highway 62 and Highway 724, which is a few miles south of Barkley Regional Airport.

CHRISTIAN COUNTY --- PEMBROKE [36.78, -87.35]

05/21/13 03:55 CST	70K	Thunderstorm Wind (EG 52 kt)
05/21/13 03:55 CST	0	Source: Trained Spotter

A 1000-pound factory awning was blown off, carried by the wind approximately 70 yards, and landed on top of several vehicles. A few of the vehicles were destroyed.

A squall line with embedded small bow echoes moved eastward from southeast Missouri across western Kentucky. A few damaging wind events occurred in association with the bow echoes. The storms occurred in a region of strong southerly low-level wind flow ahead of a cold front crossing Missouri.

CRITTENDEN COUNTY --- MARION [37.33, -88.08]

05/21/13 18:09 CST	2K	Thunderstorm Wind (EG 52 kt)
05/21/13 18:09 CST	0	Source: Law Enforcement

Law enforcement officials reported a tree blown down with an estimated wind gust near 60 mph.

A bowing line of thunderstorms moved rapidly east across western Kentucky, producing strong winds and isolated wind damage. The storms occurred in a moist southwest wind flow ahead of a cold front over Missouri.

DAVIESS COUNTY --- OWENSBORO [37.77, -87.12]

05/30/13 17:16 CST	3K	Thunderstorm Wind (EG 52 kt)
05/30/13 17:16 CST	0	Source: Trained Spotter

Large tree branches were blown down. A wind gust to 53 mph was measured at the Owensboro airport.

DAVIESS COUNTY --- 2.0 W MASONVILLE [37.67, -87.07]

05/30/13 17:25 CST	0	Funnel Cloud
05/30/13 17:25 CST	0	Source: Emergency Manager

A funnel cloud was identified and photographed by a trained spotter.

MCCRACKEN COUNTY --- MELBER [36.95, -88.73]

05/30/13 18:35 CST	2K	Thunderstorm Wind (EG 52 kt)
05/30/13 18:35 CST	0	Source: Public

Tree limbs and a whole tree were blown down by winds estimated near 60 mph.

MCCRACKEN COUNTY --- 1.9 W MASSAC [37.02, -88.71], 1.0 NW CECIL [37.11, -88.68]

05/30/13 18:40 CST	80K	Thunderstorm Wind (EG 61 kt)
05/30/13 18:47 CST	0	Source: NWS Storm Survey

A microburst with winds near 70 mph began near Lone Oak and extended northward to the western edge of Paducah, ending at exit 3 on Interstate 24. The most significant tree damage occurred in the vicinity of U.S. Highway 62, where dozens of trees were uprooted or snapped. Other large trees were uprooted between U.S. 60 and U.S. 62 near the western city limits of Paducah. Near the end of the damage path, a billboard was blown down at exit 3 on Interstate 24. Also at exit 3, the canopy of a former gas station was extensively damaged. The damage path width averaged 500 yards, but was up to 1000 yards wide near U.S. 62.

MCCRACKEN COUNTY --- 2.5 N PADUCAH [37.12, -88.63]

05/30/13 18:45 CST	0	Hail (0.75 in)
05/30/13 18:45 CST	0	Source: NWS Employee

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MCCRACKEN COUNTY --- 2.0 SE MAXON [37.06, -88.70]				
	05/30/13 18:49 CST		0	Hail (1.00 in)
	05/30/13 18:49 CST		0	Source: Law Enforcement
Quarter-size hail occurred on the western edge of Paducah.				
FULTON COUNTY --- FULTON [36.52, -88.87]				
	05/30/13 19:15 CST		20K	Thunderstorm Wind (EG 52 kt)
	05/30/13 19:15 CST		0	Source: Law Enforcement
Trees and power lines were blown down.				
CALLOWAY COUNTY --- 2.2 WSW LYNN GROVE [36.59, -88.47], 1.4 SW MURRAY [36.61, -88.34]				
	05/30/13 19:30 CST		18K	Thunderstorm Wind (EG 52 kt)
	05/30/13 19:34 CST		0	Source: Trained Spotter
A tree was on a power line west of U.S. Highway 641. Another tree was blown down across Kentucky 94 west of Murray, causing an accident with injuries. A few other trees were blown across roadways.				
CALLOWAY COUNTY --- 1.0 W MURRAY [36.62, -88.34], ALMO [36.70, -88.27]				
	05/30/13 19:36 CST		0	Hail (0.88 in)
	05/30/13 19:41 CST		0	Source: Trained Spotter

Nickel-size hail was reported in Almo, Dexter, and the west side of Murray.

Clusters of thunderstorms moved north across western Kentucky. The storms occurred in a southwesterly flow of moist and moderately unstable air. The storms were enhanced by a 500 mb shortwave extending from the Ozarks to the Lower Mississippi Valley. A few of the storms produced large hail and strong winds.

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Photo of funnel cloud taken by Chris Conley in Daviess County.

MISSOURI, Southeast

CAPE GIRARDEAU COUNTY --- GULF JCT [37.27, -89.55], 1.3 SSE CAPE GIRARDEAU [37.28, -89.52], 2.4 SE GULF JCT [37.25, -89.52], 1.7 SSE GULF JCT [37.25, -89.54]

05/01/13 00:00 CST	0	Flood (due to Heavy Rain)
05/26/13 03:00 CST	0	Source: River/Stream Gage

Major flooding of the Mississippi River in late April gradually lessened in May. Minor to moderate flooding persisted in the Cape Girardeau area through most of May. Fewer and fewer homes in the Cape Girardeau area were affected. The flooded crop acreage gradually decreased. Numerous roads remained closed. The city of Cape Girardeau is protected by floodwalls and levees.

MISSISSIPPI COUNTY --- BIRDS PT [36.97, -89.15], 2.3 E BIRDS PT [36.97, -89.11], 4.1 SE BIRDS PT [36.92, -89.11], 3.3 SSE BIRDS PT [36.92, -89.13]

05/01/13 00:00 CST	0	Flood (due to Heavy Rain)
05/24/13 15:00 CST	0	Source: River/Stream Gage

Minor to moderate flooding persisted from late April through most of May along the Mississippi River. There was flooding of low-lying fields, and some county roads were closed. The Dorena-Hickman Ferry was closed due to high water over the landing at Hickman, Kentucky. The ferry connects Highway 1354 at Hickman, Kentucky with Missouri Route A and Route 77 near Dorena, Missouri.

NEW MADRID COUNTY --- 1.6 SSE NEW MADRID [36.58, -89.52], 4.4 SE NEW MADRID [36.56, -89.47], 4.8 ESE NEW MADRID [36.56, -89.46], 2.2 ESE NEW MADRID [36.59, -89.49]

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/01/13 00:00 CST		0	Flood (due to Heavy Rain)
	05/19/13 04:00 CST		0	Source: River/Stream Gage

Minor flooding of the Mississippi River persisted through most of May in the New Madrid area. Bottomland fields were flooded.

SCOTT COUNTY --- COMMERCE [37.15, -89.45], 0.8 ENE COMMERCE [37.15, -89.44], 2.4 SE COMMERCE [37.13, -89.42], 1.8 SSE COMMERCE [37.13, -89.43]

05/01/13 00:00 CST	0	Flood (due to Heavy Rain)
05/25/13 09:00 CST	0	Source: River/Stream Gage

Major flooding of the Mississippi River in late April gradually lessened in May. Minor to moderate flooding persisted through most of May. The number of closed roads decreased, and the acreage of flooded cropland gradually lowered.

The Mississippi River remained above flood stage from April well into May. Heavy rainfall in the Missouri and upper Mississippi Valleys sent the Mississippi River well above flood stage.

CARTER COUNTY --- ELLSINORE [36.93, -90.75], 6.2 E GRANDIN [36.82, -90.72]

05/03/13 13:00 CST	0	Heavy Rain
05/03/13 21:00 CST	0	Source: Trained Spotter

Several county roads were closed due to flooding in eastern Carter County. K Highway was closed off of B Highway.

WAYNE COUNTY --- 2.5 NE SILVA [37.20, -90.49], 2.5 N GREENVILLE [37.17, -90.47], 1.7 ESE SILVA [37.16, -90.49], 1.7 NNE SILVA [37.19, -90.51]

05/04/13 09:00 CST	0	Flood (due to Heavy Rain)
05/05/13 04:00 CST	0	Source: River/Stream Gage

Minor flooding occurred along the St. Francis River. Some low-lying fields and woodlands near the river were underwater. Riverside campgrounds were evacuated.

Widespread heavy rainfall from 2 to 4 inches caused creeks and streams to reach bankful. The St. Francis River rose above flood stage. The heavy rainfall was caused by a strong and slow-moving low pressure system that formed along the Mid-Mississippi River Valley.

NEW MADRID COUNTY --- 6.0 W RISCO [36.57, -89.93]

05/21/13 15:06 CST	0	Hail (0.75 in)
05/21/13 15:06 CST	0	Source: Trained Spotter

Penny-size hail was reported, along with wind gusts around 40 mph.

A cluster of strong thunderstorms moved northeast from Arkansas, producing dime-size hail in southeast Missouri. The storms occurred in a moist southwest wind flow ahead of a cold front over Missouri.

WAYNE COUNTY --- WAPPAPELLO [36.93, -90.28]

05/30/13 17:25 CST	2K	Thunderstorm Wind (EG 52 kt)
05/30/13 17:25 CST	0	Source: Broadcast Media

Several large tree limbs up to six inches in diameter were blown down.

Clusters of thunderstorms moved north-northeast across southeast Missouri. The storms occurred in a southwesterly flow of moist and moderately unstable air. The storms were enhanced by a 500 mb shortwave extending from the Ozarks to the Lower Mississippi Valley.

CAPE GIRARDEAU COUNTY --- GULF JCT [37.27, -89.55], 1.3 SSE CAPE GIRARDEAU [37.28, -89.52], 2.0 ESE GULF JCT [37.25, -89.52], 2.0 SSE GULF JCT [37.25, -89.53]

05/31/13 04:00 CST	0	Flood (due to Heavy Rain)
05/31/13 23:59 CST	0	Source: River/Stream Gage

Minor flooding began along the Mississippi River once again. Some low-lying bottomland fields were underwater. The flooding persisted into June.

The Mississippi River crept back above flood stage at the end of the month due to renewed heavy rainfall in upper portions of the basin.